

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Multiplying Radical Expressions

Simplify the Radical Expressions.

1)  $\sqrt{80b} \cdot -\sqrt{28b}$

6)  $\sqrt{28} \cdot -\sqrt{45}$

2)  $\sqrt{80c} \cdot -7\sqrt{12c}$

7)  $-2\sqrt{63n} \cdot \sqrt{8n}$

3)  $-4\sqrt{12d} \cdot -2\sqrt{63d}$

8)  $\sqrt{112} \cdot -\sqrt{20}$

4)  $4\sqrt{63} \cdot -3\sqrt{80}$

9)  $-\sqrt{45q} \cdot -\sqrt{48q}$

5)  $-\sqrt{80} \cdot -\sqrt{63}$

10)  $7\sqrt{18} \cdot 3\sqrt{48}$



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## Multiplying Radical Expressions

Simplify the Radical Expressions.

$$1) \sqrt{80b} \cdot -\sqrt{28b}$$
$$-8b\sqrt{35}$$

$$6) \sqrt{28} \cdot -\sqrt{45}$$
$$-6\sqrt{35}$$

$$2) \sqrt{80c} \cdot -7\sqrt{12c}$$
$$-56c\sqrt{15}$$

$$7) -2\sqrt{63n} \cdot \sqrt{8n}$$
$$-12n\sqrt{14}$$

$$3) -4\sqrt{12d} \cdot -2\sqrt{63d}$$
$$48d\sqrt{21}$$

$$8) \sqrt{112} \cdot -\sqrt{20}$$
$$-8\sqrt{35}$$

$$4) 4\sqrt{63} \cdot -3\sqrt{80}$$
$$-144\sqrt{35}$$

$$9) -\sqrt{45q} \cdot -\sqrt{48q}$$
$$12q\sqrt{15}$$

$$5) -\sqrt{80} \cdot -\sqrt{63}$$
$$12\sqrt{35}$$

$$10) 7\sqrt{18} \cdot 3\sqrt{48}$$
$$252\sqrt{6}$$

